

Conor Scott

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EDUCATION

Johns Hopkins University, Baltimore, Maryland, USA

Master of Science in Applied Mathematics (M.S.)

Sep 2011 – May 2014

Virginia Tech, Blacksburg, Virginia, USA

Bachelor of Science (B.S.) in Computer Science

Bachelor of Science (B.S.) in Mathematics

Aug 2006 – May 2011

WORK EXPERIENCE

Blockchain Developer Consultant

Nov 2017 – Present

- Contributing to Bitcoin Core, Lightning Network implementations, and other open source projects
- Help companies understand and best utilize blockchain technology
- Develop smart contracts, integrate cryptocurrency payment and trading systems, and develop security models to protect customer data and cryptocurrency funds.

Clevertech

OTCmarkets.com Lead API Developer - Remote

Oct 2017 – Dec 2017

- Led team of engineers to redesign API delivering realtime financial market data into scalable and responsive system

Pave.com Lead Engineer - Remote

Sep 2016 – Dec 2017

- Split monolithic web app into manageable microservices, including data migrations from MongoDB to PostgreSQL
- Dockerized all services and migrated entire deploy / cron processes to Kubernetes cluster with continuous integration via Jenkins / git
- Primary developer for service modeling credit worthiness of loan applicants, intelligently processing 80+ scoring factors into risk-reduced, competitive loan rates.

Genymotion API Developer - Remote

Sep 2015 – Jun 2016

- Implemented microservices for GenyCloud MVP, including android emulator management, licensing, authentication, user profiles, and API gateway.
- Helped implement Stripe and Paypal billing API to replace existing PrestaShop store.

Johns Hopkins University Applied Physics Lab

Software Engineer (Associate Professional Staff II) - Columbia, MD

Jun 2011 – May 2015

- Rapid development and prototyping environment delivering advanced mission systems to multiple government agencies with urgent time constraints
- Lead member of video exploitation team focused on providing real-time encoding, decoding, storage, dissemination, and exploitation capabilities for military grade optical sensors
- Developed low-level command and control interfaces to optical sensors and radar, building algorithms for automated detection and tracking of moving targets
- 600+ hours experience on site (80+ hours in military aircraft) working directly with client and sensor operators to provide delivery, training, maintenance, and feedback for deployed systems
- Two achievement awards (2013,2014) recognizing competency and effort in meeting needs of client

International Business Machines (IBM)

Extreme Blue Intern - Austin, TX

May 2010 – Aug 2010

- Helped create a run-time option for the Linux B-tree file system (btrfs) to cache frequently accessed files to solid state drives (SSDs) in hybrid storage pools. This project led to a patent (noted below).

Software Engineer Co-Op - Raleigh, NC

Jan 2009 – Aug 2009

- Worked with globally distributed development team for delivery of Rational Quality Manager v2.0 with a focus on creating test report templates

TECHNICAL SKILLS

Areas of specialization

Blockchain engineering, applied cryptography, backend development with JS/Python stack, devops and continuous integration, Linux architecture, parallel computing, image processing, real-time encoding and streaming, target detection and tracking, sensor control interfaces, data analysis and correlation

Programming Languages

Strong in: C/C++, Python, Javascript, Solidity, SQL

Capable in: R, CUDA, Java, csh, bash, Lua, Matlab, Octave

Newbish in: Php, Perl, Ruby

PATENTS

Conor Scott, Mingming Cao, Ben Chocie, Steven M. French, Matthew R. Lupfer, Steven L. Pratt. 2013. Hybrid data storage management taking into account input/output (I/O) priority, US Patent 20130073783, Filed Sep 15, 2011, Published Mar 21, 2013